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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,112	03/29/2004	Chien-Hsing Fang	10112312	1529
34283	7590	06/07/2005	EXAMINER	
QUINTERO LAW OFFICE 1617 BROADWAY, 3RD FLOOR SANTA MONICA, CA 90404			NGUYEN, HOANG V	
			ART UNIT	PAPER NUMBER
			2821	

DATE MAILED: 06/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/812,112

Applicant(s)

FANG, CHIEN-HSING

Examiner

Hoang V. Nguyen

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 8-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 8-12 is/are allowed.
- 6) ☒ Claim(s) 13-15 and 17 is/are rejected.
- 7) ☒ Claim(s) 16 and 18-20 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 13-15 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Flint et al (US 6,339,400 B1).

Regarding claim 13, Flint (Figures 3-4, 6-7 and col 3 lines 25-59) discloses a portable electronic device comprising a display unit for displaying information; a cover for housing the display unit; a supporting structure 30 for supporting the display unit on the cover; and an antenna 31 having a radiation element and a first grounding element, wherein the first grounding element is attached to the supporting structure at an edge of the display unit.

Regarding claim 14, as applied to claim 13, Figure 3 of Flint shows that the portable electronic device further comprises a computing unit rotatably connected to the cover.

Regarding claim 15, as applied to claim 13, Flint (Figure 3A and col 4, lines 5-9) further teaches a fastening element 340 for fixing the antenna on the supporting structure 350.

Regarding claim 17, as applied to claim 15, Flint (Figure 3A) inherently shows that the supporting structure comprises a hole to engage with the fastening element.

***Allowable Subject Matter***

3. Claims 8-12 are allowed.

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4. Claims 16 and 18-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 8, Flint discloses a portable electronic device comprising a display unit for displaying information; a cover for housing the display unit; a supporting structure for supporting the display unit on the cover; and an antenna having a radiation element and a first grounding element, wherein the first grounding element is attached to the supporting structure at an edge of the display unit. Flint, however, fails to further teach a second grounding element, wherein the first grounding element subtends an angle with the second grounding element and the first grounding element is attached to the supporting structure at an edge of the display unit, and wherein the radiation element is disposed on a first side of the first grounding element, and the second grounding element is disposed on a second side of the first grounding element.

Claims 9-12 are allowed for depending on claim 8.

Regarding claim 16, Flint discloses a portable electronic device comprising a display unit for displaying information; a cover for housing the display unit; a supporting structure for supporting the display unit on the cover; a fastening element for fixing the antenna on the supporting structure; and an antenna having a radiation element and a first grounding element, wherein the first grounding element is attached to the supporting structure at an edge of the display unit. Flint, however, fails to specifically teach that the first grounding element comprises a hole to engage with the fastening element.

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Regarding claims 18-20, Flint fails to further teach, among other features, a second ground element integrated with the first grounding element.

***Conclusion***

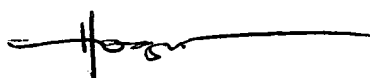
6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Patents 6,414,643 B2 and 6,388,627 B1 disclose portable electronic devices having an antenna and a display unit.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang V. Nguyen whose telephone number is (571) 272-1825. The examiner can normally be reached on Mondays-Fridays from 9:00 a.m. to 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoang Nguyen can be reached on (571) 272-1825. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hvn  
6/1/05



HOANG V. NGUYEN  
PRIMARY EXAMINER